

CLAIMS:

1. Polyphase filter comprising at least two filters for filtering signals, characterized in that said filters are coupled to integrators for integrating filtered signals.
2. Polyphase filter according to claim 1, wherein an output of an integrator is
5 coupled via a conductance element to an input of a previous integrator.
3. Polyphase filter according to claim 2, wherein an output of an integrator is coupled via a capacitor to an input of a next integrator.
- 10 4. Polyphase filter according to claim 3, wherein an integrator comprises an amplifier with an admittance element in a feedback path.
5. Polyphase filter according to claim 4, wherein a filter comprises a passive element and wherein an amplifier comprises an operational amplifier.
- 15 6. Polyphase filter according to claim 5, wherein a passive element comprises a resistor and a capacitor and wherein an admittance element comprises a capacitor and a conductance element coupled in parallel to each other.
- 20 7. Polyphase filter according to claim 6, wherein said polyphase filter comprises at least one signal inversion between integrators.
8. Integrator for use in a polyphase filter comprising at least two filters for filtering signals, wherein said filters are coupled to integrators for integrating filtered signals.
- 25 9. Receiver comprising a polyphase filter comprising at least two filters for filtering signals, wherein said filters are coupled to integrators for integrating filtered signals.